



Receipt

6
6-29-00

M. B. PATENT

ATTORNEY DOCKET NO. 04783.010000
U.S. PATENT APPLICATION NO. 09/442,152

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Toshihiro SHIMA
Serial No. : 09/442,152
Filed : November 16, 1999
Title : DIRECT SERVER-ACCESSING PRINTER AND CONTROL METHOD
THEREOF

Art Unit : 2722
Examiner :

Assistant Commissioner for Patents
Washington, DC 20231

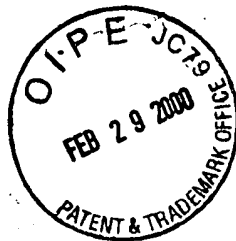
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REQUEST TO CORRECT FILING RECEIPT

Applicant requests that the incorrect title of the application be corrected from "Direct Server-Accessing Printer and Control Method Thereo" to "Direct Server-Accessing Printer and Control Method Thereof".

Enclosed is a copy of the filing receipt as received from the PTO. The title is in error. The correct title should be "Direct Server-Accessing Printer and Control Method Thereof", as shown in the enclosed copies of:

- 1) the first page of the transmittal letter which shows the correct title of the application;
- 2) the first page of the application bearing the correct title of the application;
- 3) the signed Declaration and Power of Attorney of the application which shows the correct title of the application; and
- 4) the signed Assignment of the application which shows the correct title of the application.



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Because this is a PTO error, no petition is believed necessary. However, if a petition is deemed to be required, please consider this paper as such and charge the appropriate fees to Deposit Account 50-0591, reference No. 04783.010001. If there are any other charges, or any credits, please apply them to the same Deposit Account and reference No.

Date: February 24, 2000

Signature: _____

Jonathan P. Osha
Reg. No. 33,986

ROSENTHAL & OSHA L.L.P.
700 Louisiana Street, Suite 4550
Houston, TX 77002

Telephone: 713/228-8600
Facsimile: 713/228-8778

Date of Deposit: February 24, 2000

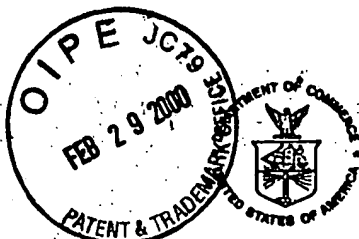
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Dawn Marie Vogel

Dawn-Marie Vogel

04783.010001.20000223.01.doc

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FILING RECEIPT
CORRECTEDUNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/442,152	11/16/99	2722	\$890.00	04783.010001	12	12	3

022511
ROSENTHAL & OSHA LLP
SUITE 4550
700 LOUISIANA
HOUSTON TX 77002

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FEB 17 2000

ROSENTHAL & OSHA LLP.

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) TOSHIHIRO SHIMA, NAGANO, JAPAN.

FOREIGN APPLICATIONS- JAPAN

10-336670

11/27/98

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 12/15/99

TITLE

DIRECT SERVER-ACCESSING PRINTER AND CONTROL METHOD THEREO

PRELIMINARY CLASS: 358

Docketing	
Action:	IDS
Base Date:	11-16-99
Due Date:	2-16-00
Deadline:	3-16-00
Initials:	deg
Atty/Sec. Initials:	

Docketing	
Action:	Request Correction OFL
Base Date:	2-17-00
Due Date:	4-17-00
Deadline:	4-17-00
Initials:	deg
Atty/Sec. Initials:	

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DATA ENTRY BY: MAY, MOLIKA

TEAM: 03 DATE: 02/11/00

(See reverse for new important information)

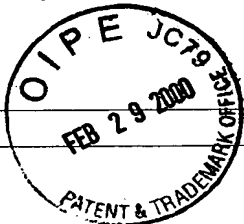
UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)*(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
04783.010001Total Pages in this Submission
43**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

DIRECT SERVER-ACCESSING PRINTER AND CONTROL METHOD THEREOF

and invented by:

Toshihiro SHIMA

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

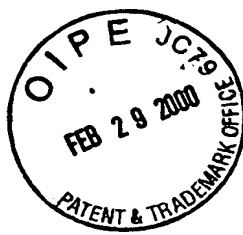
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☐ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 25 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (*if applicable*)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. ☐ Reference to Microfiche Appendix (*if applicable*)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (*if drawings filed*)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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DIRECT SERVER-ACCESSING PRINTER AND CONTROL METHOD THEREOF

BACKGROUND OF THE INVENTION

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5 1. Field of the Invention

The present invention relates to printer technology for directly accessing a resource existing on a network such as the Internet, and downloading and printing such resource.

10 2. Description of the Related Art

A network-compatible printer connected to a network such as a LAN (Local Area Network) and shared by a plurality of computers has been conventionally known. This type of printer passively receives a print request sent from the computer via
15 the network and prints in accordance therewith.

Meanwhile, in recent years, the WWW (World Wide Web) is rapidly becoming popular on the Internet. In this WWW, the browser on the client computer obtains a resource (information
20 resource, such as a Web page) by accessing a Web server in accordance with a URI (Uniform Resource Identifier). Upon the browser obtaining this resource, if a resource previously obtained from the same URI is cached on a hard disk or the like, the browser uses such cached resource without accessing the Web
25 server. The browser presents this obtained resource on a screen, or stores it on a hard disk or the like. The browser converts this obtained resource into a print request when necessary, and

Seiko Epson Ref. No.:

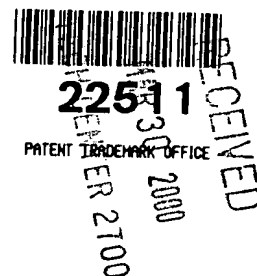
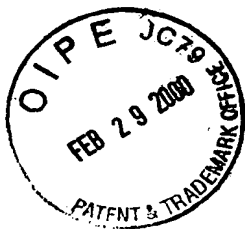
Attorney's Ref. No.:

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書



下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は、下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

サーバに直接的にアクセス可能なプリンタおよびその制御方法

DIRECT SERVER-ACCESSING PRINTER AND CONTROL

METHOD THEREOF

上記発明の明細書（下記の欄で×印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☒ 1999年11月16日に提出され、米国出願番号または特許協定条約国際出願番号を 09/442,152 とし、
 （該当する場合） _____ に訂正されました。

☒ was filed on November 16, 1999 as United States Application Number or
 PCT International Application Number 09/442,152 and was amended on _____ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Japanese Language Declaration

(日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも1ヶ国を指定している特許協力条約365条(a)項に基づく国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

外国での先行出願

Priority Not Claimed

優先権主張なし

10-336670

Japan

27TH/November/1998

(Number)

(Country)

(Day/Month/Year Filed)

(番号)

(国名)

(出願年月日)

☐

(Number)

(Country)

(Day/Month/Year Filed)

(番号)

(国名)

(出願年月日)

☐

私は、第35編米国法典119条(e)項に基いて下記の米国特許出願規定に記載された権利をここに主張いたします。

I hereby claim the benefit under Title 35, United States Code, Section 119 (e) of any United States provisional application(s) listed below.

(Application No.)

(Filing Date)

(Application No.)

(Filing Date)

(出願番号)

(出願日)

(出願番号)

(出願日)

私は下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365 (c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application:

(Application No.)

(Filing Date)

(Status: Patented, Pending, Abandoned)

(出願番号)

(出願日)

(現況: 特許許可済、係属中、放棄済)

(Application No.)

(Filing Date)

(Status: Patented, Pending, Abandoned)

(出願番号)

(出願日)

(現況: 特許許可済、係属中、放棄済)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私が入手した情報と私の信じるところに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration

日本語宣言書

委任状：下記の発明者として、私は本出願の手続きを遂行し、同出願に関連する特許商標庁との一切の取引を取り扱うため、以下の弁護士及び（または）代理人をここに指名致します。（弁護士、代理人の氏名及び登録番号を明記のこと）
Jonathan P. Osha, Reg. No. 33,986,
Adenike Adewuya, Reg. No. P42,254

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)
Alan D. Rosentha, Reg. No. 27,833
Daniel G. Nguyen, Reg. No. P42,933

書類送付先

Send Correspondence to:

Jonathan P. Osha.
ROSENTHAL & OSHA L.L.P.
700 Louisiana, Suite 4550
Houston, Texas 77002

電話による直接連絡先：（名前及び電話番号）

Direct Telephone Calls to: (name and telephone number)

Jonathan P. Osha
(713)-228-8600

唯一または第一発明者名 島 敏博	Full name of sole or first inventor Toshihiro SHIMA		
発明者の署名 島 敏博	日付 2000年1月18日	Inventor's signature Toshihiro Shima	Date January 18, 2000
住所 日本国, 長野県	Residence Nagano, Japan		
国籍	Citizenship		
私書箱 392-8502 日本国長野県諏訪市大和3丁目3番5号 セイコーエプソン株式会社内	Post Office Address c/o Seiko Epson Corporation 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 Japan		

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第三以降の共同発明者についても同様の情報及び署名を記載 (Supply similar information and signature for third and subsequent joint inventors)

譲渡証 (Translation/日本語訳)

下記に署名した私/私達、

島 敏博 は、

ある発明を創出し、これについて合衆国特許出願は

- ☐ ここに私/私達により署名され、
☐ _____に私/私達により（それぞれ）署名され、
☒ 1999年11月16日に出願され、出願番号09/442,152が
交付され、
☐ PCT 国際出願 _____として _____に出願され、

その発明は

サーバに直接的にアクセス可能なプリンタ及びその制御方法

という名称である。そして、ここにその受領を認める対価で：私/私達は、当該発明/出願について、合衆国とその属領及び全ての外国に於ける全面的かつ独占的な権利；合衆国とその属領及び全ての外国に於いて発行される特許証に関わる全ての権利、所有権、利益；一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等、合衆国とその属領及び全ての外国に於いて既に出願されたか若しくは今後出願される特許に関わる全ての権利；そして、国際条約、同盟、契約、法令、協定（将来制定されるものを含む）に基づく全ての優先権を伴う一切の権利；を、日本国東京都新宿区西新宿2丁目4番1号に住所を有するセイコーエプソン株式会社、その後継者、譲受人及び法定代理人に対して、売却、譲渡、移転するものとす。

さらに、私/私達は、セイコーエプソン株式会社（以下譲受人と言う）が単数ないしは複数の当該発明（以下当該発明という）に関わる特許権を、自己の名により、合衆国とその属領及び全ての外国に於いて出願し、特許を受けること；またこの譲渡証の意図と目的を誠実に実行することを求められた場合、下記に署名した私/私達が、当該譲受人、その後継者、その被譲渡者、及び法定代理人の費用負担にて、一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等を行い、合法的宣誓書、譲渡証、委任状等の書類を作成し、あらゆる法的または準法的訴訟手続に於いて証言を行うこと；当該発明とその経緯に関連して、下記に署名した私/私達が知り得た全ての事実を、当該譲受人、後継者、被譲渡者、及び法定代理人に連絡すること；そして当該譲受人、後継者、被譲渡者、及び法定代理人が、当該発明の特許権の適切な保護、維持、権利行使するために望ましいと考慮すること、また、当該発明に関わる特許出願に際し、当該譲受人、後継者、被譲渡者、及び法定代理人に対して法的権限を付与することが望ましいと考慮することについて、可能な限り行うことを承諾する。

Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Toshihiro SHIMA,

who have created a certain invention for which an application for United States Letters Patent

- ☐ executed by ME/US on even date herewith,
☐ executed by ME/US on _____, (respectively),
☒ filed on November 16, 1999 and assigned Serial No. 09/442,152,
☐ filed as International Application No. _____ filed on _____

and entitled:

DIRECT SERVER-ACCESSING PRINTER AND CONTROL METHOD THEREOF

Do hereby sell, assign and transfer to **Seiko Epson Corporation**, a corporation of Japan, having a place of business at 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **Seiko Epson Corporation**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

そして、私／私達は、この書面により譲渡された権利や財産に影響する、如何なる譲渡、授権、抵当権、ライセンス等その他の協定も他の第三者との間で行っていないこと；下記に署名した私／私達によって、この書面に記載されている権利が所有されていることを、当該譲受人、後継者、被譲渡者、及び法定代理人に対して誓約するものである。

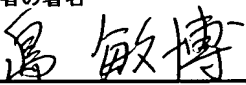
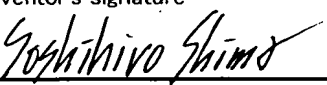
さらに、下記に署名した私／私達は、この譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私／私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名 島 敏博		Full name of sole or first inventor Toshihiro SHIMA	
発明者の署名 	日付 2000年1月18日	Inventor's signature 	Date January 18, 2000
第二共同発明者（いる場合）		Full name of second joint inventor, if any	
第二共同発明者の署名	日付	Second Inventor's signature	Date
第三共同発明者（いる場合）		Full name of third joint inventor, if any	
第三共同発明者の署名	日付	Third Inventor's signature	Date
第四共同発明者（いる場合）		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth Inventor's signature	Date
第五共同発明者（いる場合）		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth Inventor's signature	Date
第六共同発明者（いる場合）		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth Inventor's signature	Date
第七共同発明者（いる場合）		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh Inventor's signature	Date
第八共同発明者（いる場合）		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth Inventor's signature	Date